



NORTH CAROLINA Department of Transportation



Ferry Division NCDOT Division Overview

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Ferry Division Mission



Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.

Ferry Division Overview



Operations

- Connects NC Coastal Highways
- Seven Routes
- Emergency/Disaster Response/Preparedness
- US Coast Guard Compliance



Asset Management

- \$104M Assets
- 21-Vessel Fleet
- Marine Maintenance and Facilities
- Field Maintenance
- Shipyard



Planning

- Long-term Strategic Plan
- Service Expansion
- Fleet Lifecycles
- Technology Integration

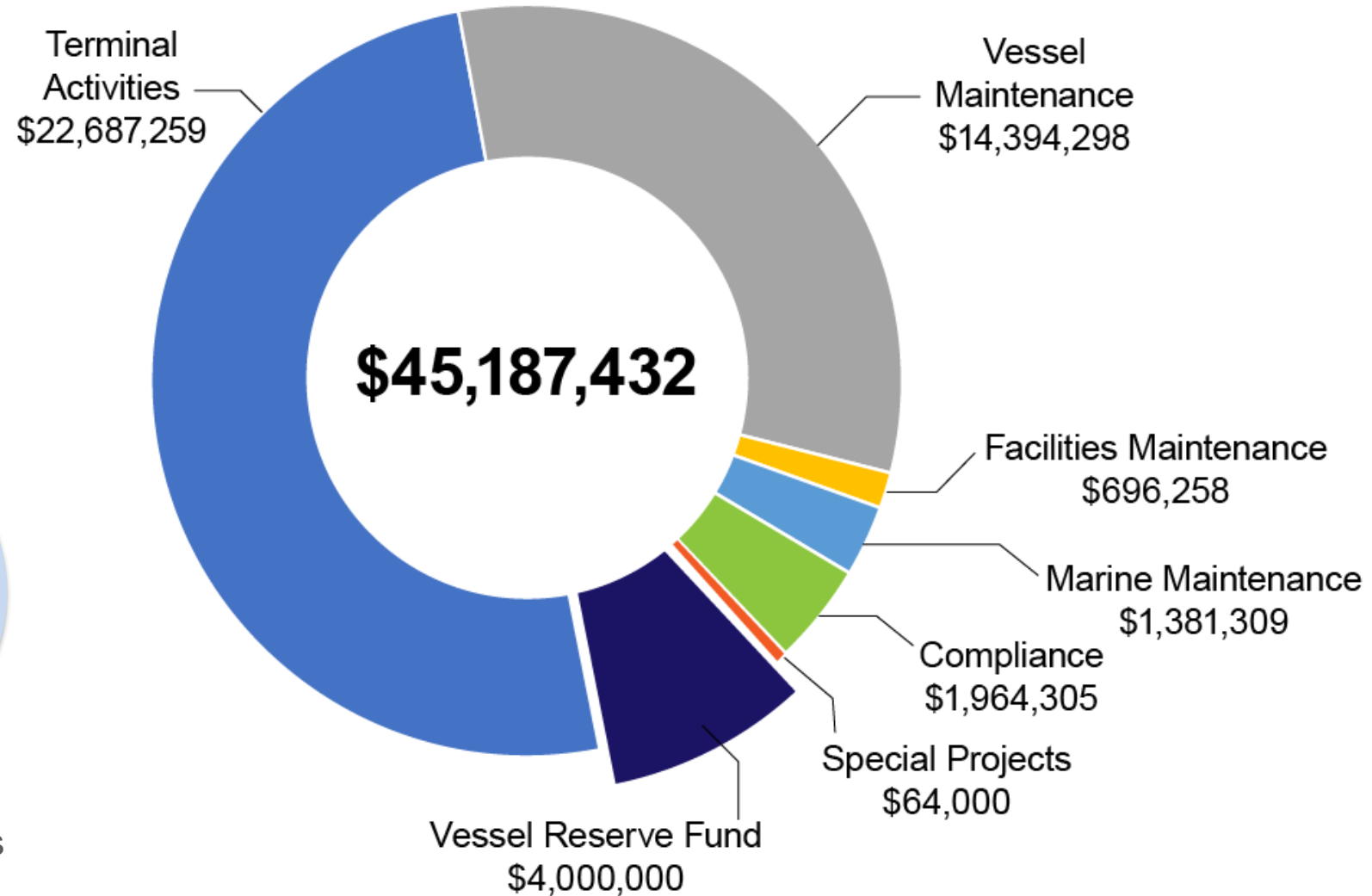


- 2nd Largest State-operated Ferry System in the Nation
- 7 Scheduled Routes
- 1 Emergency Route
- 21 Ferries
- Support Fleet
(4 tugs, 3 barges,
1 crane barge, & 1 dredge)
- 12 terminals
- State-owned Shipyard
- 3 Field Maintenance Shops





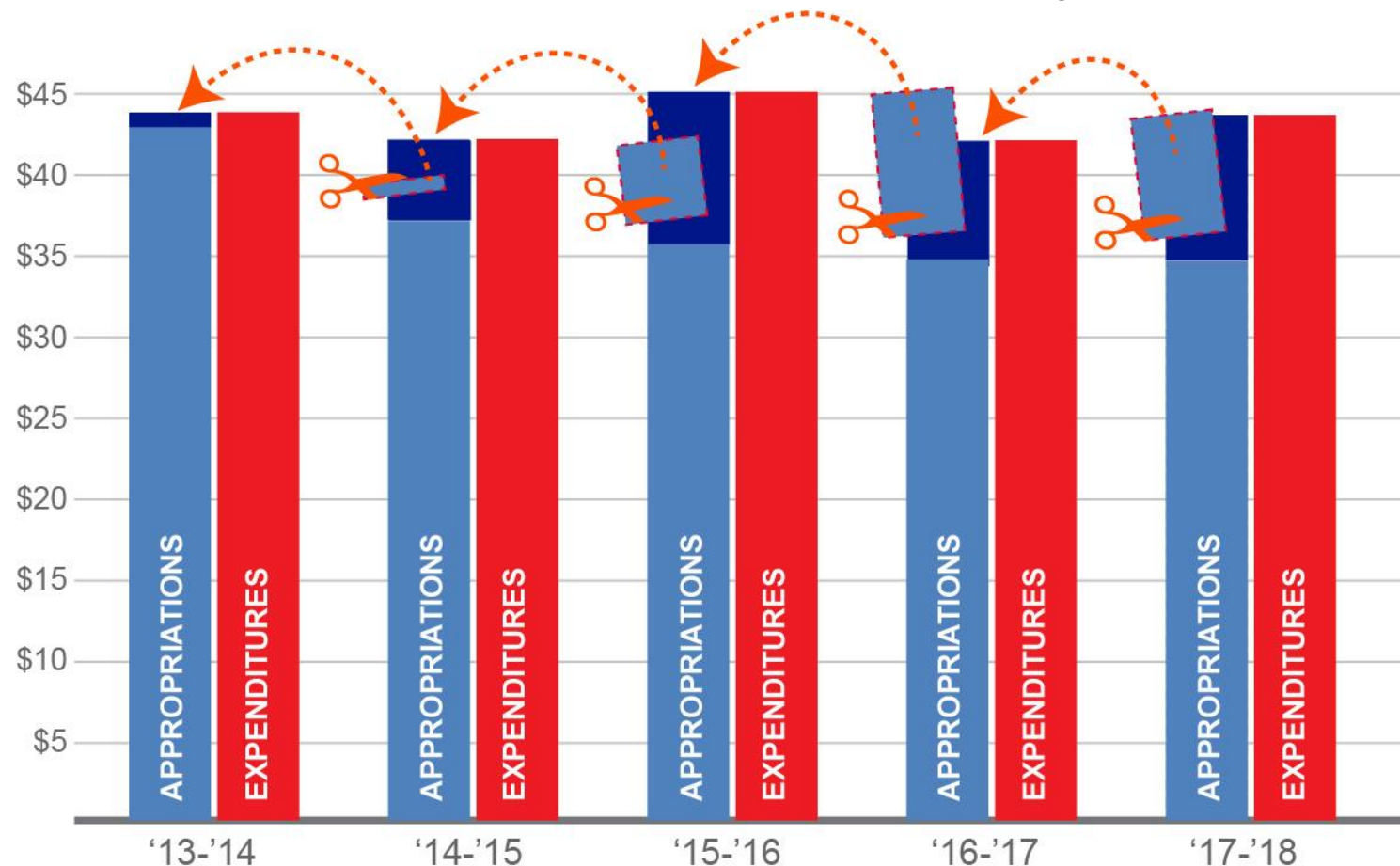
Ferry Division Budget



Approx. 150
Seasonal Employees

Historical Appropriations vs. Actual Expenses

Each overdraft must be addressed by the following year's appropriation.



Governor's Expansion Budget Item:

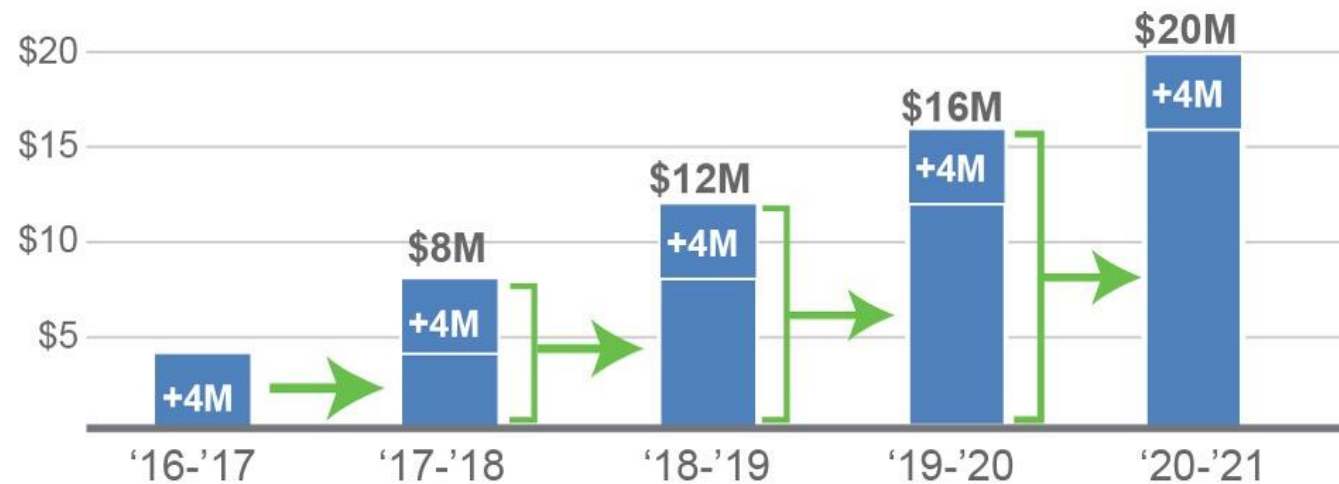
- \$5M annually towards year-over-year operations shortfalls – begins 2020.

Not included in illustration:

- \$4M Ferry Vessel Replacement Fund – annually, began FY16-17
- \$3.65M Passenger Ferry Service Implementation Appropriation – FY16-17

Ferry Vessel Replacement Fund

- Established 2016 for construction of new ferries
- Appropriated YTD: \$12M
 - Construction underway on two vessels



Cumulative Toll Collections by Route 2014 – 2018

Ticket Prices

Type	Southport-Fort Fisher	Swan Quarter, Cedar Island, Ocracoke
Pedestrian	\$1	\$1
Bicycle	\$2	\$3
Motorcycle	\$3	\$10
Scooter	\$3	\$10
Golf Cart	\$3	\$10
Motorcycle w with Trailer or Side Car	\$7	\$15
Vehicle and/or Combination < 20 Feet	\$7	\$15
Vehicle and/or Combination 20 to 40 Feet	\$14	\$30
Vehicle and/or Combination 40 to 65 Feet	\$28	\$45

Swan Quarter – Ocracoke	
2014	\$367,409
2015	\$406,270
2016	\$427,095
2017	\$414,580
2018	\$427,374
Total	\$2,042,728

Ocracoke – Cedar Island	
2014	\$786,150
2015	\$746,975
2016	\$692,984
2017	\$674,316
2018	\$626,598
Total	\$3,527,023

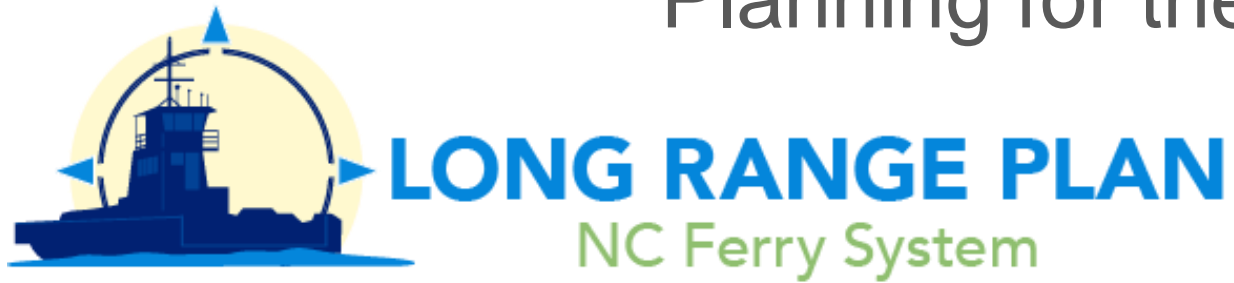
Southport – Fort Fisher	
2014	\$765,008
2015	\$786,999
2016	\$832,123
2017	\$868,073
2018	\$835,734
Total	\$4,087,937

Commuter Pass Sales	
2014	\$94,350
2015	\$94,700
2016	\$107,300
2017	\$107,750
2018	\$111,050
Total	\$515,150

STI-funded Vessels under Construction



Planning for the Future



- Long-range plan under development
- Sustainability emphasized – with a look 30 years into the future
- Findings of 9 other studies integrated
- Recommendations for vessel modernization, additions to the fleet and maintenance scheduling included
- New technology and processes to improve customer service considered



Overtime Reduction Initiative

Our goal: Reduce scheduled overtime hours to offset O&M spending without impacting service

- Strategies developed resulted in 19.6% reduction in overtime hours (*approx. 8,000 hours*)
 - Eliminating overtime status for some positions
 - Reducing overtime for shipyard, field maintenance and non-vessel temporary employees
 - Reducing night operations overtime scheduling
 - Adjusting crew schedules

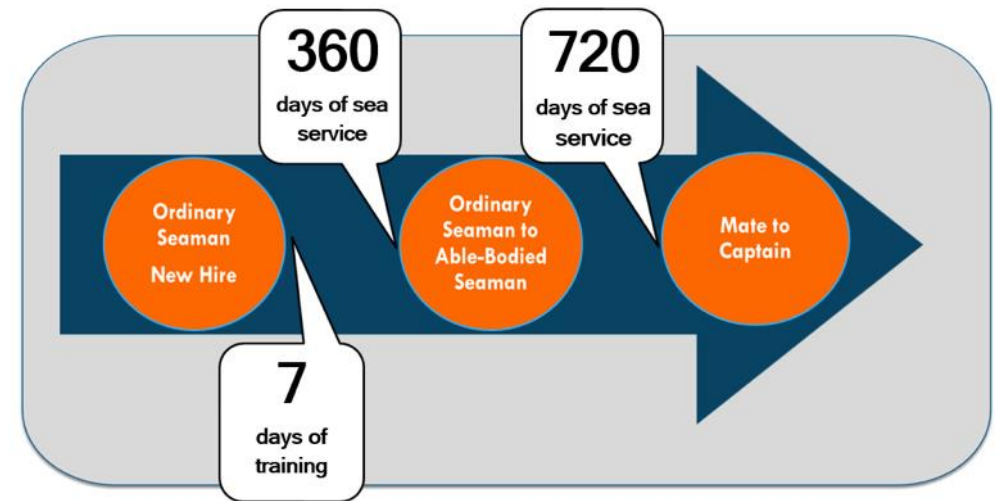


Workforce Initiatives

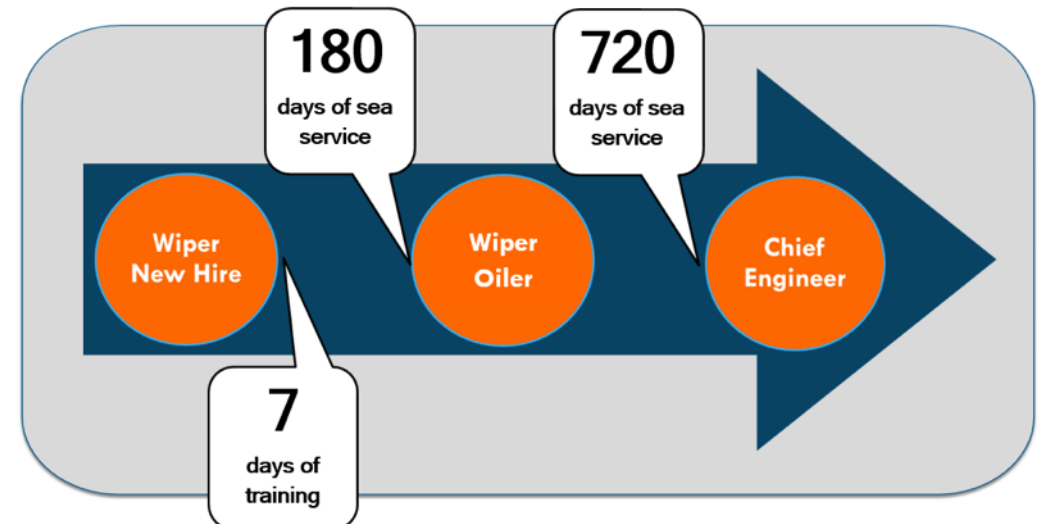
- Creating ladders of opportunity
- Training and mentoring for employees
- Expanding the talent pool
- New uniforms
 - UV Protection
 - Professional appearance



NCDOT Career Path for Deck Personnel
US Coast Guard Mandated



NCDOT Career Path for Engine Room Personnel
US Coast Guard Mandated



Career Fair – March 1, 2019

Hatteras Village Civic Center

- Representatives available for each job type
- **101 attendees**
- **44 filled out job applications**
- Also attended job fairs at Carteret Community College and Mattamuskeet Early College High School



2019 North Carolina Ferry Career Fair

WE'RE HIRING

FRIDAY, MARCH 1, 2019

HATTERAS CIVIC CENTER
56658 NC HIGHWAY 12, HATTERAS, NC 27948

HIRING FOR

Engineers	Captains
Marine Welders	Parking Lot Attendants
Marine Mechanics	Pipefitters
Marine Machinists	Crew Members
Ferry Oilers	Ferry Mates

Interview 10AM TO 6PM

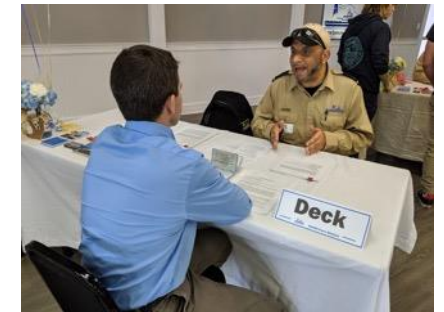
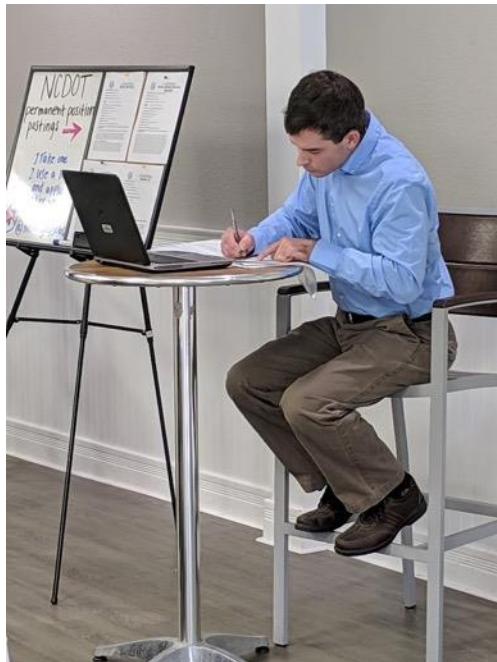
REGISTER NOW: bit.ly/ferrycareers2019

For more information:
Alma Fountain
(252) 423-5125
afountain@ncdot.gov
Visit www.NCDOT.gov

REMEMBER TO BRING:

- Resumes
- Supporting documents





Community College Apprentices Program

Ferry Division has partnered with the College of The Albemarle to offer apprenticeships for students enrolled in the Welding Technology Program

- The first internships were offered to nine COA students of the welding technology program over the summer of 2018
- Staff exploring other internship and apprenticeship programs
 - N.C. Community College System
 - Dare County Schools

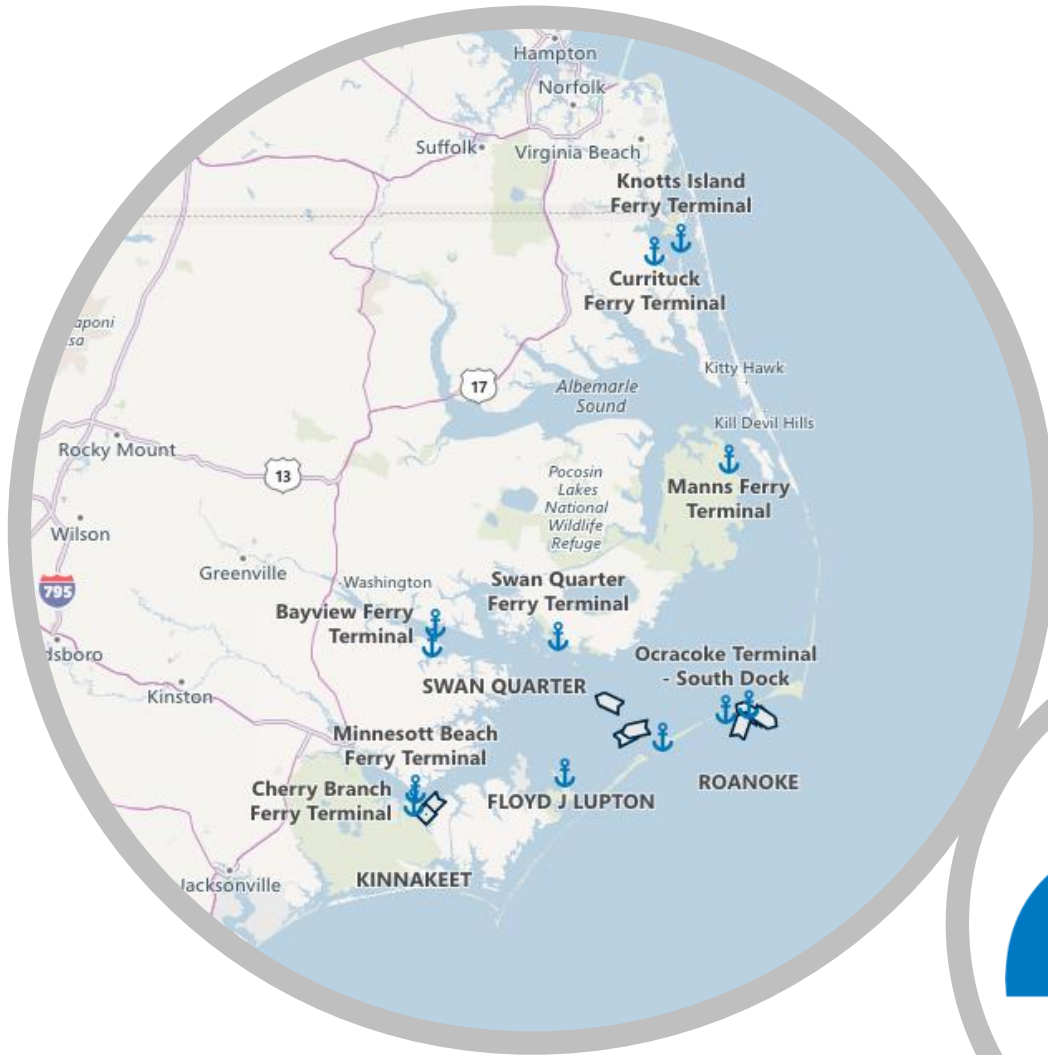


New Technology

Operational and customer service benefits

Vessel tracking technology

- Real time location of vessels
- Valuable to staff for monitoring fleet
- Convenient for passengers



NC Quick Pass

- Uses technology already available to NCDOT
- Customer service benefits
- Would incorporate Commuter and Priority passes
- Streamlines reporting

Operational Challenges - Shipyard Schedule

US Coast Guard requires ferries to be dry-docked twice every 5 years

- **Dry-dock Requirements**
 - Prior to 1998: 11 of 22 ferries
 - Current: 21 of 21 ferries
- **Shipyard Workforce**
 - Prior 1998: 100
 - Current: 62
- **Increase in Man-hours per Dry-dock**
 - Approximately 8.5K to 12.5K
- Complex scheduling at shipyard to manage vessels in and out
- Limited space and labor limit preventative maintenance and refurbishments

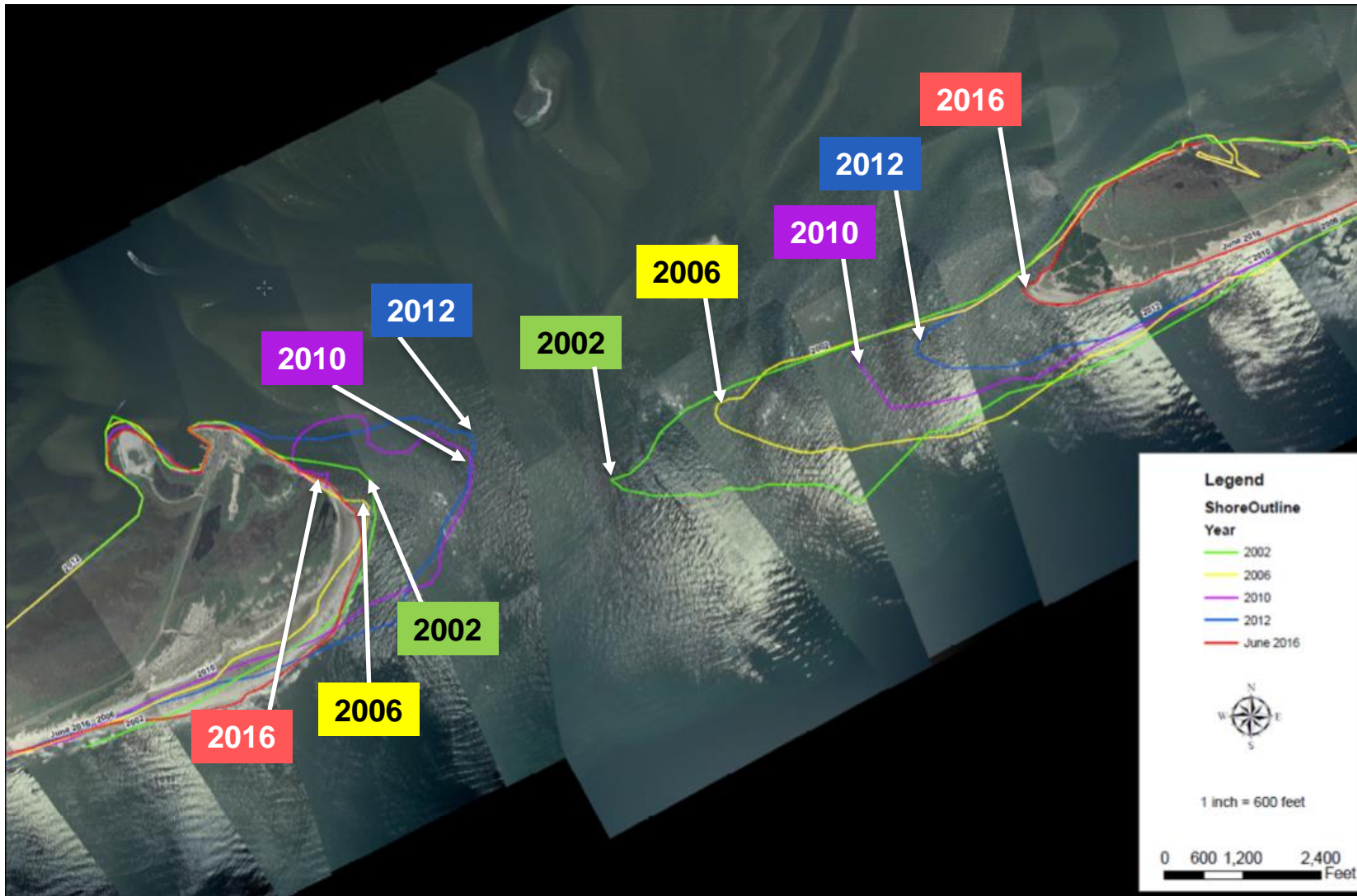


Sustainability of Hatteras Inlet South Terminal

- **Short-term plans**
 - Short term measures did not work
- **Long-term plans**
 - Engineering firm studying the dynamics of the area – tide, material movement, storms, etc. to develop solutions to slow erosion rate
 - Collaborating with DOT and permitting agencies
 - Future meetings and discussion will take place once the engineering firm finalizes study



Hatteras Inlet Shoreline Erosion 2002-2016





EXPLORE YOUR WORLD

SEARCH FOR A LOCATION BELOW

HATTERAS INLET



SHARE THIS VIEW



1 km

2500 ft



1984

Fast

1984

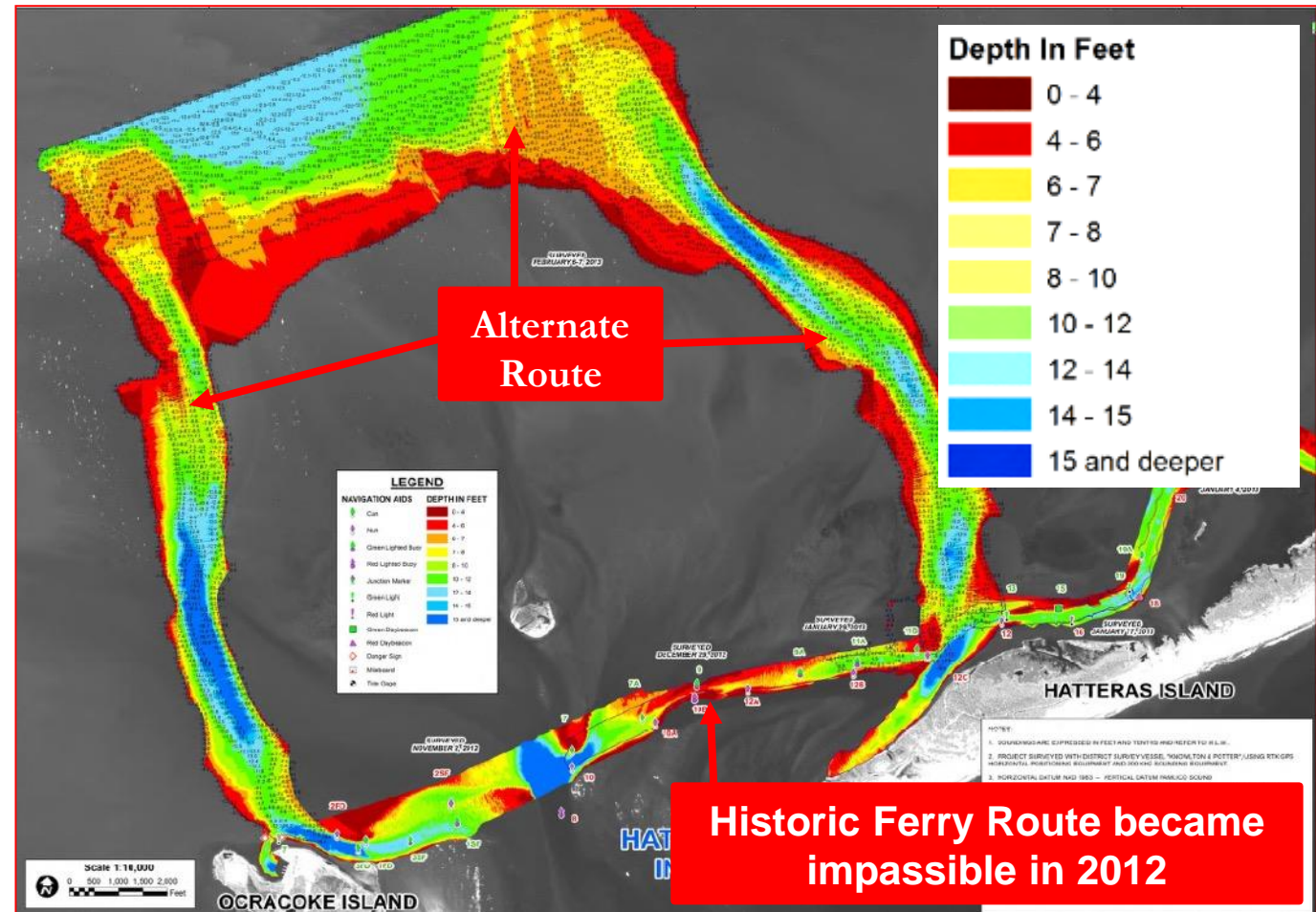
Google



2016

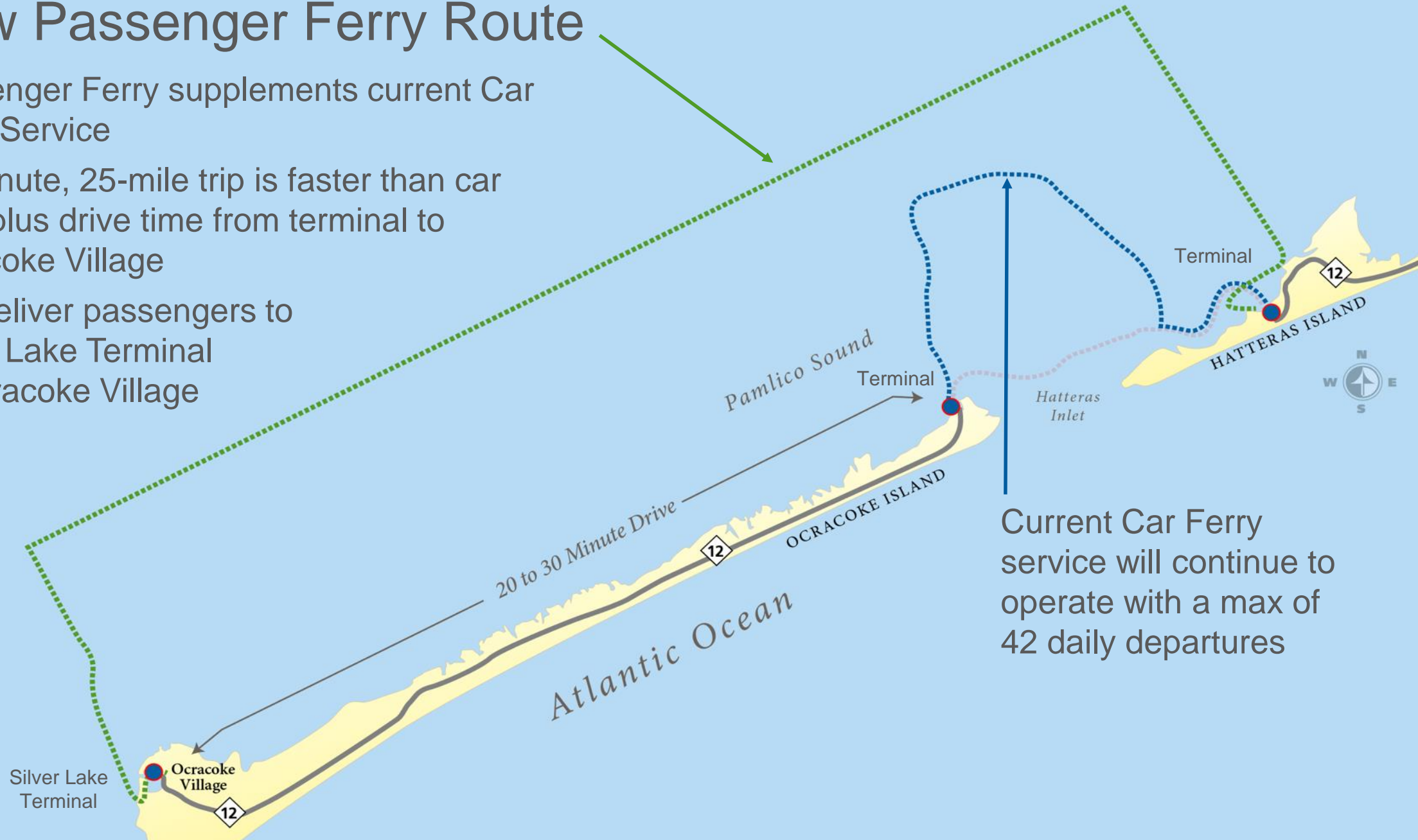
Hatteras-Ocracoke Shoaling Issue

- **Historic Hatteras Ferry Channel Route – 4.3 miles**
 - Emergency area Federally maintained
 - Constant dredging
 - Up to 52 departures/day
- **Alternate Route – 9.5 miles**
 - Natural deep water channel
 - Longer route cost additional \$1.34M in labor/fuel in 2018
 - Up to 42 departures/day



New Passenger Ferry Route

- Passenger Ferry supplements current Car Ferry Service
- 70-minute, 25-mile trip is faster than car ferry plus drive time from terminal to Ocracoke Village
- Will deliver passengers to Silver Lake Terminal in Ocracoke Village



Current Car Ferry service will continue to operate with a max of 42 daily departures

Passenger Ferry Update

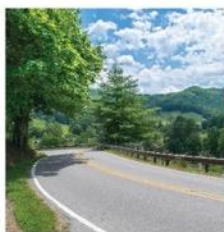


- Active Stakeholder Group
- Ferry in final stages of construction, launch date uncertain
- Passenger Ferry Toll: Up to \$15
- Funding: Federal Grant \$6.7M and Appropriation \$2.3M, Expended to Date: \$6.5M
- Trams in Ocracoke Village will support this service



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Department of Transportation



Ferry Division Overview

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